

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-12 (Canceled)

13. (Currently amended) A computer-based system for implementing a border management application architecture comprising:

at least one processor;

at least one computerized database ~~[[for]]~~ storing border management data; and

at least one computer-readable medium encoding instructions for implementing a border management application architecture, wherein said instructions include:

providing a set of core applications for standard border management functions in a shared applications architecture, wherein the set of core applications includes a process imports application, a process exports application, one or more investigation applications, an entry processing application, an exit processing application, and a form submission and processing application;

~~a set of customer channels for providing individual access points for the users of the border management application architecture;~~

providing a customer channel interface for interconnecting ~~[[the]]~~ a set of customer channels that provide individual access points for the users of the border management application architecture and the set of core applications;

~~one or more management access channels for providing access points and tools for the sharing and access of border management data across border management capabilities; and~~

providing one or more management access interfaces for interconnecting
[[the]] one or more management access channels with the set of core
applications[[,]] to thereby provide access points and tools for the sharing and
access of border management data among the set of core applications; and

providing an enforcement database storing case data and individual data;

wherein the set of core applications further comprise a set of case management applications, wherein the set of case management applications further comprise a set of intelligence applications used to transform the border management data into intelligence using the shared border management data the case data the individual data stored in the enforcement database, and
~~wherein the set of intelligence applications includes an information synthesis application and a risk scoring and analytics application that applies neural networks and rules-based algorithms.~~

14-19. (Canceled)

20. (Previously presented) The computer-based system for implementing a border management application architecture of claim 13, wherein the one or more management access channels further comprise:

an information and knowledge management tool set for providing access points and tools for sharing and access of border management data;

a management and administration tool set for providing management and administration functions; and

a client relationship management tool set allowing customer assistance.

21-58. (Canceled)

59. (New) The computer-based system for implementing a border management application architecture of claim 13, wherein the set of intelligence applications includes an information synthesis application and a risk scoring and analytics application that applies neural networks, decision tree analysis, data recognition techniques, and rules-based algorithms to synthesize information, identify patterns, analyze historical information, and develop risk scores.

60. (New) The computer-based system for implementing a border management application architecture of claim 13, wherein the intelligence includes advance passenger information, denied passenger information, alerts, watch lists, case patterns, tips, expired visa and overstay information, investigation initiations, and alert list additions.

61. (New) The computer-based system for implementing a border management application architecture of claim 13, wherein the intelligence applications communicate the intelligence to a communication device of an officer.

62. (New) The computer-based system for implementing a border management application architecture of claim 13, wherein the instructions further include providing a shared security and integration open architecture between the customer channel interface and the set of core applications, the shared security and integration open architecture monitoring access to the core applications.

63. (New) The computer-based system for implementing a border management application architecture of claim 62, wherein the instructions further include providing an aggregation engine synthesizing information from multiple external data sources, wherein the shared security and integration open architecture further monitors access to the external data sources, and wherein the set of intelligence applications are used to transform the border management data into the intelligence using the synthesized external data sources.

64. (New) A computer-implemented method for implementing an integrated border management system for managing individual and trade border transactions, the method comprising steps of:

receiving an individual border transaction request and a trade border transaction request at a processing location;

storing the individual and trade border transaction requests in a border management knowledge base;

processing, in an automated manner, a subset of the individual and trade border transaction requests to determine whether the requests should be granted;

receiving individual entry data and trade import data, wherein the individual entry data includes arrival details, and wherein the trade import data includes import details;

storing the individual entry data and trade import data in the border management knowledge base;

monitoring the receipt of the individual border transaction request and trade border transaction request, the storing of the requests in the border management knowledge base, the receipt of the individual entry data and trade import data, and the storing of the individual entry data and trade import data in the border management knowledge database using a security and integration open architecture;

analyzing, by an intelligence engine, at least one of the individual entry data, the trade import data, the individual border transaction request, and the trade border transaction request stored in the border management knowledge base to generate border intelligence for detecting irregular individual and trade border transaction activity, wherein the analyzing includes applying neural networks, decision tree analysis, data recognition techniques, and rules-based algorithms to synthesize information, identify patterns, analyze historical

information, and develop risk scores, and wherein the border intelligence includes advance passenger information, denied passenger information, alerts, watch lists, case patterns, tips, expired visa and overstay information, investigation initiations, and alert list additions; and

storing the irregular individual and trade border transaction activity in the border management knowledge database.

65. (New) The method of claim 64, further comprising communicating, from the intelligence engine, the intelligence to a border management officer.

66. (New) The method of claim 64, further comprising analyzing, by the intelligence engine, external data sources to generate the border intelligence.

67. (New) The method of claim 64, further comprising providing a shared infrastructure for managing at least one of human resources, finances, information technology, procurement issues, and a budget.

68. (New) The method of claim 64, further comprising:
providing an inspection station with real-time access to the individual entry data and case history information;
verifying, at the inspection station, an individual's identity;

after verifying the individual's identity, determining, at the inspection station, whether to deny the individual's entry into a country based upon the individual entry data and criminal history information; and

if the individual's entry is denied, storing a record of the denial in the border management knowledge database.

69. (New) The method of claim 64, further comprising:

providing an inspection station with real-time access to the trade import data and case history information;

determining, at the inspection station, whether to deny the individual's entry into a country based upon the individual entry data and criminal history information; and

if the individual's entry is denied, storing a record of the denial in the border management knowledge database.

70. (New) A computer-readable medium encoding instructions for implementing a border management application architecture, wherein said instructions include:

providing a set of core applications for standard border management functions in a shared applications architecture, wherein the set of core applications includes a process imports application, a process exports application, one or more investigation applications, an entry processing application, an exit processing application, and a form submission and processing application;

providing a customer channel interface for interconnecting a set of customer channels that provide individual access points for the users of the border management application architecture and the set of core applications;

providing one or more management access interfaces for interconnecting one or more management access channels with the set of core applications to thereby provide access points and tools for the sharing and access of border management data among the set of core applications;

providing an enforcement database storing case data and individual data;
and

wherein the set of core applications further comprise a set of case management applications, wherein the set of case management applications further comprise a set of intelligence applications used to transform the border management data into intelligence using the shared border management data and the case data and the individual data stored in the enforcement database.

71. (New) The computer-readable medium of claim 70, wherein the set of intelligence applications includes an information synthesis application and a risk scoring and analytics application that applies neural networks, decision tree analysis, data recognition techniques, and rules-based algorithms to synthesize information, identify patterns, analyze historical information, and develop risk scores.

72. (New) The computer-readable medium of claim 70, wherein the intelligence includes advance passenger information, denied passenger information,

alerts, watch lists, case patterns, tips, expired visa and overstay information, investigation initiations, and alert list additions.

73. (New) The computer-readable medium of claim 70, wherein the intelligence applications communicate the intelligence to a communication device of an officer.

74. (New) The computer-readable medium of claim 70, wherein the instructions further include providing a shared security and integration open architecture between the customer channel interface and the set of core applications, the shared security and integration open architecture monitoring access to the core applications.

75. (New) The computer-readable medium of claim 74, wherein the instructions further include providing an aggregation engine synthesizing information from multiple external data sources, wherein the shared security and integration open architecture further monitors access to the external data sources, and wherein the set of intelligence applications are used to transform the border management data into the intelligence using the synthesized external data sources.